Jameco Part Number 215618

11Mbps Wireless LAN Card
Quick Installation Guide

This *Quick Installation Guide* only provides you with the basic instructions.
For more detailed information, please refer to the *Manual* file on the provided CD.

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1 System Requirements

To use the Wireless LAN Card, your computer must meet the following minimum requirements:

- Windows 98(SE)/2000/Me
- 16 MB of RAM, additional memory recommended
- Standard USB port

2 Installing the Wireless LAN Card Software

Note: Do not connect the Wireless LAN Card device to your computer before installing its software. If this happens, the Windows PnP function will detect the USB device and issue a dialog box requesting its driver. Click **Cancel** to quit the wizard.

1. Close all Windows programs that are running.
2. Run **Setup.exe** from the **Utility** folder of the Wireless LAN Card Installation CD and click **Next**.
3. Click **Next** to continue.
4. To install the software to the default destination folder, click **Next**. If you are to install to a different folder, click **Browse**, select another folder, and then click **Next**.
5. Click **Next** to continue.
6. Select the Operating Mode (**Ad Hoc** or **Infrastructure**) in which your wireless client will operate, and then click **Next**.
7. For Ad-Hoc mode: Depending on the Operating Mode you specified on Step 6, different **ESSID Dialog** box appears. In the **Specify ESSID** box, enter the Service Set ID name. For Ad-Hoc mode only, in **Select Channel** box, select a channel number as your operation radio channel. Then click **Next**.
8. If the settings listed are correct, click **Next** to begin copying files. Otherwise, click **Back** to modify your settings.
9. After Windows OS copies the Setup files from the Wireless LAN Card Installation CD-ROM, click **Finish**.

3 Installing the Hardware

After installing the Wireless LAN Card Software, plug the Wireless LAN Card into your computer's USB port. Upon hardware detection, Windows OS will install the driver for the card automatically.

Note:

1. For Windows 98(SE): If prompted, you need to insert your Windows 98(SE) installation CD to complete the driver installation.
2. For Windows 2000: If you are prompted with the **Digital Signature not Found** alarm message, just click **Yes** to ignore it and continue with the auto-installation. .

4 Using the USB Wireless LAN Monitor Utility

After software and hardware installation, select **Start** > **Programs > USB Wireless LAN Card** > **Configuration & Monitor Utility**. The **USB Wireless LAN Monitor Utility** appears as an icon on the system tray. You can open it by double-clicking this icon.

The **USB Wireless LAN Monitor Utility** comes with six tabs: **Status**, **Statistics**, **Site Survey**, **Encryption**, **Advance** and **Version** as described below:

Status

The configuration parameters are displayed: **Operating Mode**, **Channel**, **SSID**, **Tx Rate** and **MAC Address** of the USB card. You can change the configuration parameters and then click **Submit** to save your changes.

Status field displays the information about the status of the communication. If connected, it shows the BSSID of the Access Point/wireless station with which the card is associated. **Signal Strength** and **Link Quality** are for Infrastructure Mode only; which allows to check the connectivity status.

Statistics

This option enables you to view the available statistic information: **Data Packets**, **Management Packets** and **Rejected Packets**. You may click the **Reset** button to renew or update the statistics.

Site Survey

In any of the two modes, this option allows you to scan all the channels to find out all the available Access Points and wireless stations within the range of your card. With each Access Point or wireless station listed, these information are provided: the BSSID and SSID of the Access Point/wireless station, the signal strength, the channel where the station operates, and whether or not WEP encryption is used.

In order to update this list, click the **Re-scan** button. If you want to associate with any of the Access Point/stations listed, double-click on your choice (on the **BSSID** field), and the system will take you back to the **Status** screen showing you the parameters of the connection newly established.

Encryption

In any of the two modes, this option allows you to set up encryption parameters. Note that your encryption settings must match those used by the Access Points/wireless stations with which you want to associate.

First, either enable (select **64 Bit** or **128 Bit**) or disable encryption from the **Encryption** field. If enabled, enter four different WEP keys. The four keys, including the one selected as **Default Key**, are used to decrypt the data you receive. Note that the key must be in the form of Hex format; only digits 0-9 and letters A-F are valid. In the **Default Key** box, select one of the four keys to encrypt the data you are going to transmit.

In addition, you have the option to select the WEP mode: **Mandatory** or **Optional**. If you select **Mandatory**, then not only WEP will be used, but also any other station needs to use WEP encryption in order to establish a communication with your station. If, on the other hand, you choose **Optional**, then your station can communicate with every other station regardless if they use WEP or not.

Finally, you can select whether to use **Open System** or **Shared Key** as the authentication type. Your authentication type must be the same as those on the Access Point/wireless client with which you want to associate.

To enable the settings, click the **Submit** button.

Advanced

In any of the two modes, this option allows you to change advanced configuration settings, such as the **Fragmentation Threshold**, and **RTS Threshold**. Both are disabled by default. To change the parameters, move the slide bar with your mouse and then use the right and left arrow keys of your keyboard to select an exact number in bytes.

As to the **Preamble Type**, it shows the preamble type which the wireless card is using. The USB card has an auto-detection feature therefore it automatically selects the Preamble Type depending on the Access Point Preamble type.

Version

This option displays the basic information about the device, including the Driver, Firmware and Application Version.